

SERVICE | AVAILABILITY | QUALITY | PERFORMANCE | RELIABILITY



# FlowCyl & FlowCyl AIR

Unvented Cylinders Product Guide



UK CYLINDERS

YOUR HOT WATER SPECIALISTS





# UK Cylinders

Your Hot Water Specialists

Based in the UK, we are focused on service, availability, quality, performance and reliability. Utilising the vast experience of the team at **UK Cylinders** and our processes and procedures to deliver on these key objectives.

We are a market led company with many years' experience in manufacturing and product development, this ensures our products exceed our customers needs.

**UK Cylinders** hold strong values in terms of supporting customers requirements in an ever changing market.

OUR AIM IS TO PROVIDE THE BEST QUALITY AND VALUE HOT WATER STORAGE PRODUCTS AND TO CONSIDERABLY EXCEED OUR CUSTOMER EXPECTATIONS BY PROVIDING MARKET LEADING SERVICE LEVELS IN ALL AREAS OF OUR BUSINESS.

SERVICE | AVAILABILITY | QUALITY | PERFORMANCE | RELIABILITY

Your Hot Water Specialists | [www.ukcylinders.co.uk](http://www.ukcylinders.co.uk)

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Your Hot Water Specialists  
Tel 03330 329 650







## Product Range

At UK Cylinders we pride ourselves in employing highly skilled engineers to be able to produce a wide range of products suitable for all of our customer needs. Our FlowCyl products are manufactured to the highest quality, with the best raw materials and ancillary components in many different specifications.

If you can't find the cylinder you need in our product guide then please speak to your local representative or our sales office as we can produce bespoke products if required.

Our products come with a manufacturers guarantee (see details in product guide) and fully tested to ensure they are compliant with the latest standards and regulations.



## Manufacturing Process

At UK Cylinders, we employ the best local manufacturing experts to produce the best quality products while maintaining value for money.

Our engineers have a vast knowledge manufacturing water heating products with a passion to significantly exceed our customer expectations, in terms of product quality and service. They understand the importance of the customer and work diligently to make sure they return to UK Cylinders next time they have a requirement.

Coupled with the latest manufacturing technology, our team set the highest bar for quality, flexibility and the ability to provide customer solutions. To keep lead times to a minimum we manufacture most components in-house, from rolling and punching the stainless-steel sheet, precision welding and insulating and casing we ensure the highest standards are achieved.



## Performance & Reliability

Providing superior hot water performance whatever the application, along with value for money, in both the domestic and commercial markets.

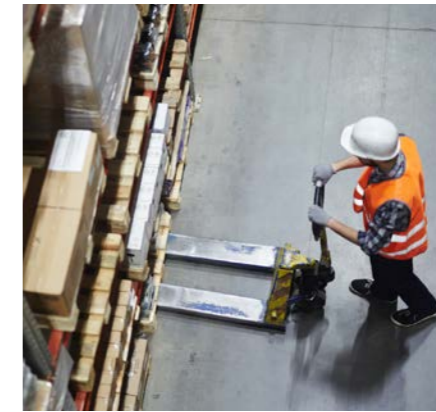
Having invested heavily in our processes along with the latest manufacturing technology and systems, we are confident that the product we produce offers excellent reliability and value for money.



## Quality and Service

Customer service is at the forefront of the business philosophy at UK Cylinders which means the team know **THE CUSTOMER ALWAYS COMES FIRST.**

We will respond and reply same day to any requests.



## Availability and Stockists

We carry significant stock of a wide range of products in our warehouses, as well as stock on the ground with our merchant partners. When an order is placed for a stock item before 12 midday, we will despatch it the same day arriving the following day to over 95% of mainland UK.

At UK Cylinders, we pride ourselves in working closely with our network of merchant stockists, supporting them providing hot water solutions to their customers.

Please contact us on **03330 329 650** or **sales@ukcylinders.co.uk** if you require details of your local stockist.



## Environmental - and a more sustainable future

Our environmental management system allows us to promote efficient manufacture of our products and minimise negative impact on the environment.

Key processes and procedures help us to move towards a more sustainable future and minimise any negative impact on the environment.

Please contact us on **03330 329 650** or **sales@ukcylinders.co.uk**



# FlowCyl

## Designed for performance and reliability

The FlowCyl sets the standard for unvented cylinders, manufactured to the highest quality in our UK factory by the best manufacturing specialists.

We use high quality duplex stainless steel enabling us to provide a 25-year warranty and supplied with market leading components to give you peace of mind for years to come. The FlowCyl provides fast flowing water to all outlets and even in high use situations it is designed to reheat quickly with its superior performance and low heat loss.

### SPECIFICATION

- > Supplied with a manufacturer's backed 25 year cylinder warranty and 2 years parts warranty.
- > Diameter is 545mm from capacities 90L to 300L.
- > Manufactured from high grade Duplex Stainless Steel.
- > Fully insulated with 50mm 100% CFC and HCFC free polyurethane to minimise heat loss.
- > Lightweight construction with high quality and **100% recyclable** silver casing.
- > Supplied with high quality unvented components.
- > Supplied with a mechanical cylinder stat for simple electrical installation.
- > All plumbing connections are clearly identified with their description embossed into the cylinder case.
- > 22mm compression connections complete with nuts and olives on the 90ltr-300ltr and 28mm connections on the 400-600ltr.
- > Market leading and highly efficient primary coil which reduces reheat time and saves fuel bills.
- > Long-life 3kW Incoloy immersion heater supplied as standard.
- > Immersion heater upgrades available upon request - i.e. Titanium or 6 K/W.
- > Supplied with all safety controls as required by UK Building Regulations.



## FlowCyl Direct Unvented

Description	Product Code	Nominal Capacity (L)	Weight (KG)	Weight full (KG)	Height (mm)	Diameter (mm)	Immersion heater(s)	Standing Heat Loss		ERP BAND	ERP Efficiency	ERP Profile
								kWh/ 24h	WATTS			
90 L	FCDIR0090	90	19	109	700	545	1	1.01	42	C	36	M
120 L	FCDIR0120	120	23	143	888	545	2	1.06	44	C	36	M
150 L	FCDIR0150	150	26	176	1075	545	2	1.22	51	C	36	M
170 L	FCDIR0170	170	30	200	1203	545	2	1.34	56	C	37	L
200 L	FCDIR0200	200	34	234	1389	545	2	1.44	60	C	37	L
250 L	FCDIR0250	250	37	287	1701	545	2	1.75	73	C	38	XL
300 L	FCDIR0300	300	43	343	1924	545	2	2.04	85	C	38	XL

## FlowCyl Indirect Unvented

Description	Product Code	Nominal Capacity (L)	Weight (KG)	Weight full (KG)	Height (mm)	Diameter (mm)	Coil Rating KW	Reheat Time (mins)	Immersion heater(s)	Standing Heat Loss		ERP BAND
										kWh/ 24h	WATTS	
90 L	FCIND0090	90	22	112	700	545	15.89	14	1	1.01	42	B
120 L	FCIND0120	120	25	145	888	545	17.76	17	1	1.06	44	B
150 L	FCIND0150	150	28	178	1075	545	18.25	21	1	1.22	51	B
170 L	FCIND0170	170	32	202	1203	545	19.35	27	1	1.34	56	B
200 L	FCIND0200	200	35	235	1389	545	19.94	31	1	1.44	60	B
250 L	FCIND0250	250	41	391	1701	545	20.68	36	1	1.75	73	C
300 L	FCIND0300	300	45	345	1924	545	23.57	41	1	2.04	85	C
400 L	FCIND0400	400	76	476	1613	690	27.58	45	2	2.20	92	C
500 L	FCIND0500	500	92	592	1975	690	28.49	56	2	2.42	101	C
600 L	FCIND0600	545	103	703	2139	690	29.90	68	2	2.68	112	C







### FlowCyl Single Coil Solar Unvented

Description	Product Code	Nominal Capacity (L)	Weight (KG)	Weight full (KG)	Height (mm)	Diameter (mm)	Coil Rating KW	Immersion heater(s)	Standing Heat Loss		ERP BAND
									kWh/ 24h	WATTS	
150 L	FCSDI0150	150	28	178	1075	545	17.8	2	1.22	51	B
170 L	FCSDI0170	170	32	202	1203	545	18.76	2	1.34	56	B
200 L	FCSDI0200	200	35	235	1389	545	19.65	2	1.44	60	B
250 L	FCSDI0250	250	42	292	1701	545	21.24	2	1.75	73	C
300 L	FCSDI0300	300	46	346	1924	545	17.8	2	2.04	85	C

### FlowCyl Twin Coil Solar Unvented

Description	Product Code	Nominal Capacity (L)	Weight (KG)	Weight full (KG)	Height (mm)	Diameter (mm)	Coil Rating KW	Reheat Time (mins)	Immersion heater(s)	Standing Heat Loss		ERP BAND
										kWh/ 24h	WATTS	
150 L	FCSIN0150	150	30	180	1075	545	16.8/ 16.8	16	1	1.22	51	B
170 L	FCSIN0170	170	34	204	1203	545	17.8/ 17.87	18	1	1.34	56	B
200 L	FCSIN0200	200	37	237	1389	545	18.76/ 18.48	21	1	1.44	60	B
250 L	FCSIN0250	250	45	295	1701	545	19.65/ 19.21	24	1	1.75	73	C
300 L	FCSIN0300	300	49	349	1924	545	21.24/ 20.16	27	1	2.04	85	C

# FlowCyl Slimline

When installation space is at a premium, we offer the same great product but with a much smaller footprint.

The FlowCyl Slimline is manufactured to the same high standards as all other FlowCyls but at 475mm diameter to fit in smaller applications or to fit through narrow cylinder cupboard doors. The FlowCyl Slimline is also supplied with a 25-year warranty and with high quality components for peace of mind.

#### SPECIFICATION

- > Supplied with a manufacturer's backed 25 year cylinder warranty and 2 years parts warranty.
- > Diameter is 475mm from capacities 60L to 200L.
- > Manufactured from high grade Duplex Stainless Steel.
- > Fully insulated with 50mm 100% CFC and HCFC free polyurethane to minimise heat loss.
- > Lightweight construction with high quality and **100% recyclable** silver casing.
- > Supplied with high quality unvented components.
- > Supplied with a mechanical cylinder stat for simple electrical installation.
- > All plumbing connections are clearly identified with their description embossed into the cylinder case.
- > 22mm compression connections complete with nuts and olives.
- > Market leading and highly efficient primary coil which reduces reheat time and saves fuel bills.
- > Long-life 3kW Incoloy immersion heater supplied as standard.
- > Immersion heater upgrades available upon request - i.e. Titanium or 6 K/W.
- > Supplied with all safety controls as required by UK Building Regulations.



**475**<sup>mm</sup>  
WIDTH

FLOWCYL SLIMLINE



### FlowCyl Slimline Direct Unvented

Description	Product Code	Nominal Capacity (L)	Weight (KG)	Weight full (KG)	Height (mm)	Diameter (mm)	Immersion heater(s)	Standing Heat Loss		ERP BAND	ERP Efficiency	ERP Profile
								kWh/ 24h	WATTS			
60L	FCNDI0060	60	17	77	697	475	1	0.94	39	C	37	M
90L	FCNDI0090	90	19	109	961	475	1	1.06	44	C	36	M
120L	FCNDI0120	120	23	143	1228	475	2	1.25	52	C	36	M
150L	FCNDI0150	150	27	177	1496	475	2	1.42	59	C	36	M
170L	FCNDI0170	170	31	201	1674	475	2	1.51	63	C	34	M
200L	FCNDI0200	200	35	235	1941	475	2	1.58	66	C	37	L

### FlowCyl Slimline Indirect Unvented

Description	Product Code	Nominal Capacity (L)	Weight (KG)	Weight full (KG)	Height (mm)	Diameter (mm)	Coil Rating KW	Reheat Time (mins)	Immersion heater(s)	Standing Heat Loss		ERP BAND
										kWh/ 24h	WATTS	
60L	FCNIN0060	60	19	79	697	475	14.62	15	1	0.94	39	B
90L	FCNIN0090	90	21	111	961	475	15.17	16	1	1.06	44	B
120L	FCNIN0120	120	25	145	1228	475	18.76	19	1	1.25	52	B
150L	FCNIN0150	150	29	179	1496	475	18.82	21	1	1.42	59	C
170L	FCNIN0170	170	33	203	1674	475	19.22	24	1	1.51	63	C
200L	FCNIN0200	200	37	237	1941	475	19.36	29	1	1.58	66	C



### FlowCyl Single Coil Solar Slimline Unvented

Description	Product Code	Nominal Capacity (L)	Weight (KG)	Weight full (KG)	Height (mm)	Diameter (mm)	Coil Rating KW	Immersion heater(s)	Standing Heat Loss		ERP BAND
									kWh/ 24h	WATTS	
150 L	FCSSD0150	150	38	188	1496	475	18.25	2	1.42	59	C
170 L	FCSSD0170	170	42	212	1674	475	19.35	2	1.51	63	C
200 L	FCSSD0200	200	45	245	1941	475	19.94	2	1.58	66	C

### FlowCyl Twin Coil Solar Slimline Unvented

Description	Product Code	Nominal Capacity (L)	Weight (KG)	Weight full (KG)	Height (mm)	Diameter (mm)	Coil Rating KW	Reheat Time (mins)	Immersion heater(s)	Standing Heat Loss		ERP BAND
										kWh/ 24h	WATTS	
150L	FCSSI0150	150	40	190	1496	475	18.25/18.76	14	1	1.42	59	C
170L	FCSSI0170	170	45	215	1674	475	19.35/19.22	17	1	1.51	63	C
200L	FCSSI0200	200	48	248	1941	475	19.94/19.36	21	1	1.58	66	C



# FlowCyl Horizontal

Designed with performance in mind.

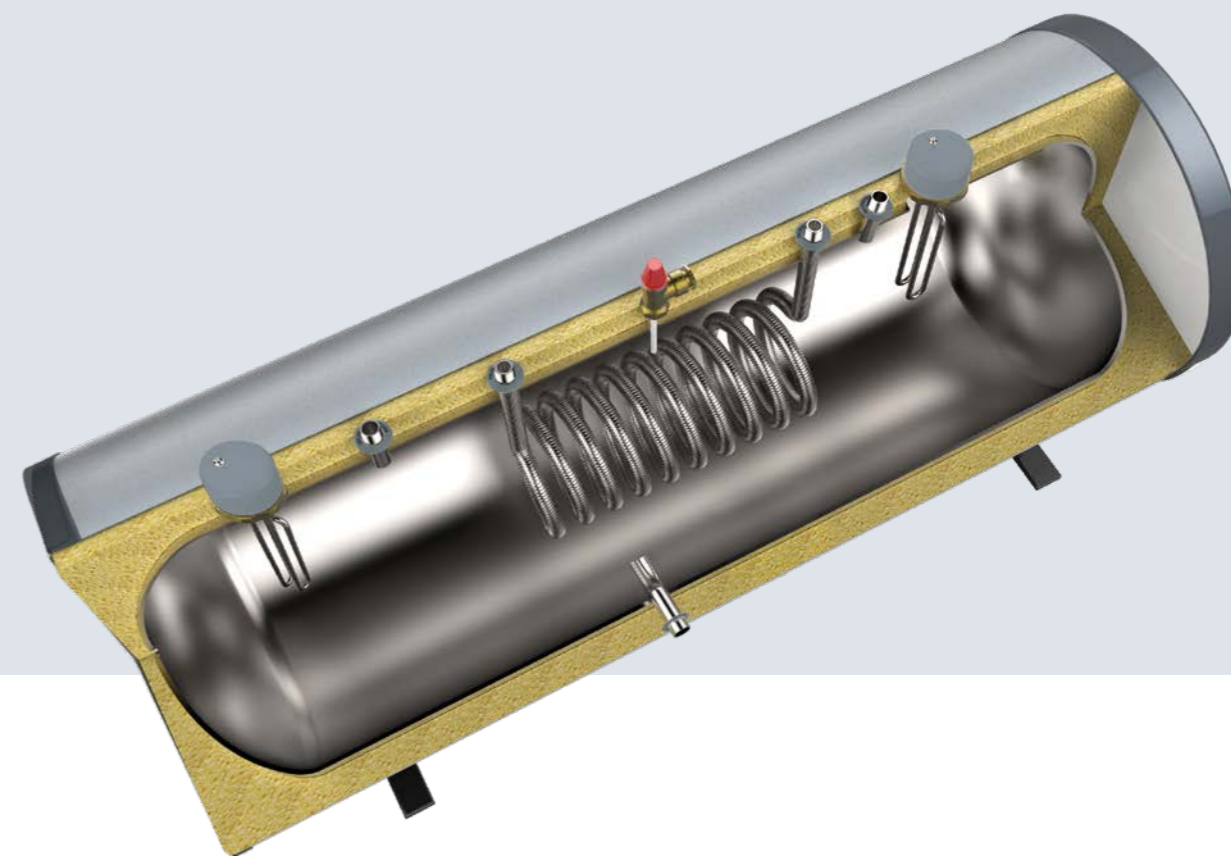
The FlowCyl Horizontal is designed for use in applications where a vertical cylinder will not fit, typically in a loft space. In dwellings that require all the benefits of a mains pressure cylinder, but you have limitations on space, the FlowCyl Horizontal is the product for you.

The FlowCyl Horizontal is supplied with installation cradles, high quality components and a 25-year warranty for peace of mind.



## SPECIFICATION

- > Supplied with a manufacturer's backed 25 year cylinder warranty and 2 years parts warranty.
- > Diameter is 545mm from capacities 120L to 300L.
- > Manufactured from high grade Duplex Stainless Steel.
- > Fully insulated with 50mm 100% CFC and HCFC free polyurethane to minimise heat loss.
- > Lightweight construction with high quality and **100% recyclable** silver casing.
- > Supplied with high quality unvented components and mounting cradles.
- > Supplied with a mechanical cylinder stat for simple electrical installation.
- > All plumbing connections are clearly identified with their description embossed into the cylinder case.
- > 22mm compression connections complete with nuts and olives.
- > Market leading and highly efficient primary coil which reduces reheat time and saves fuel bills.
- > Long-life 3kW Incoloy immersion heater supplied as standard.
- > Immersion heater upgrades available upon request - i.e. Titanium or 6 K/W.
- > Supplied with all safety controls as required by UK Building Regulations.



## FlowCyl Horizontal Indirect Unvented

Description	Product Code	Nominal Capacity (L)	Weight (KG)	Weight full (KG)	Height (mm)	Diameter (mm)	Coil Rating KW	Reheat Time (mins)	Immersion heater(s)	Standing Heat Loss		ERP BAND
										kWh/24h	WATTS	
120L	FCHOI0120	120	27	147	888	545	15.8	17	1	1.30	54	C
150L	FCHOI0150	150	33	183	1075	545	16.5	22	2	1.56	65	C
170L	FCHOI0170	170	38	208	1203	545	18	22	2	1.66	69	C
200L	FCHOI0200	200	40	240	1389	545	19.94	25	2	1.87	78	C
250L	FCHOI0250	250	46	296	1701	545	20.68	28	2	2.11	88	C
300L	FCHOI0300	300	50	350	1924	545	23.57	32	2	2.30	96	C



# FlowCyl Heatpump

Our Heatpump cylinder's fantastic performance is in the large diameter corrugated coil we manufacture in-house.

The FlowCyl heat pump cylinder is designed for maximum performance. The FlowCyl is fitted and supplied with all the required components and controls (shown opposite) to provide seamless compatibility with your chosen heat pump.

## SPECIFICATION

- > Supplied with a manufacturer's backed 25 year cylinder warranty and 2 years parts warranty.
- > Diameter is 545mm from capacities 120L to 300L - larger sizes available on request.
- > Manufactured from high grade Duplex Stainless Steel.
- > Fully insulated with 50mm 100% CFC and HCFC free polyurethane to minimise heat loss.
- > Lightweight construction with high quality and **100% recyclable** silver casing.
- > Supplied with high quality unvented components.
- > All plumbing connections are clearly identified with their description embossed into the cylinder case.
- > Supplied with 28mm coil connections ; 22mm Hot and cold water connections and 10mm sensor pocket for Heat pump controls.
- > 10mm Sensor probe pocket included for heat pump controls.
- > Market leading and highly efficient primary coil to ensure rapid exchange of heat from Heatpump
- > Long-life 3kW Incoloy immersion heater supplied as standard.
- > Immersion heater upgrades available upon request - i.e. Titanium or 6 K/W.
- > Supplied with all safety controls as required by UK Building Regulations.



# Efficiency

## MARKET LEADING HEAT EXCHANGER

The FlowCyl Heatpump cylinder is fitted with a market leading high efficiency heat exchanger (Coil) to ensure the rapid transfer of the low temperature inputs of ground & air source Heatpumps.

The FlowCyl Heatpump range comes complete with all the fittings you will need for a complete trouble free installation.



COLD WATER  
INLET SET



TWO PORT ZONE  
VALVE



HIGH LIMIT STAT



TUNDISH



3KW IMMERSION HEATER



T&P RELIEF VALVE



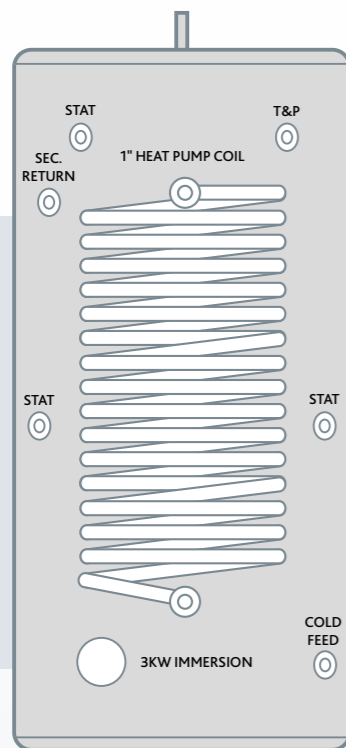
EXPANSION VESSEL  
AND BRACKET





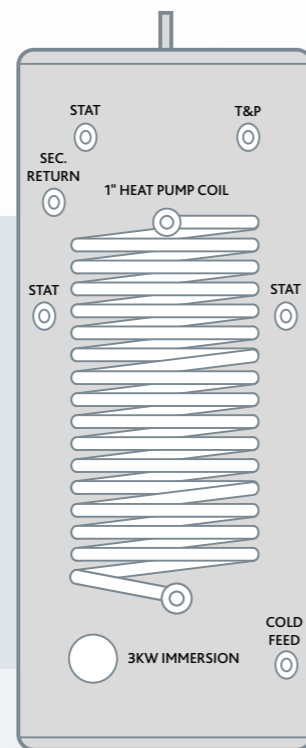
## Indirect Single Coil

Suitable for Heatpump



## Slim Indirect Single Coil

Suitable for Heatpump



## FlowCyl Heatpump

Description	Product Code	Nominal Capacity (L)	Weight (KG)	Weight full (KG)	Height (mm)	Diameter (mm)	Heat Pump Coil Surface Area (m <sup>2</sup> )	Heat Pump Coil Rating (kW)	Standing Heat Loss		ERP BAND
									kWh/24h	WATTS	
120L	ESHDP2120	120	31	145	888	545	1.61	23.46	1.06	42	B
150L	ESHDP2150	150	37	181	1075	545	2.08	24.67	1.22	44	B
170L	ESHDP2170	170	43	202	1203	545	2.08	24.67	1.63	68	C
200L	ESHDP3200	200	49	235	1389	545	2.97	31.5	1.7	71	C
250L	ESHDP3250	250	53	289	1701	545	2.97	33.08	1.99	83	C
300L	ESHDP3300	300	57	330	1924	545	2.97	35.44	2.26	94	C

\* Larger sizes available upon request.

## FlowCyl Heatpump Slimline

Description	Product Code	Nominal Capacity (L)	Weight (KG)	Weight full (KG)	Height (mm)	Diameter (mm)	Heat Pump Coil Surface Area (m <sup>2</sup> )	Heat Pump Coil Rating (kW)	Standing Heat Loss		ERP BAND
									kWh/24h	WATTS	
120L	ESHPS2120	120	33	158	1228	475	1.61	23.46	1.25	52	B
150L	ESHPS2150	150	39	194	1496	475	1.61	23.46	1.42	59	B
170L	ESHPS2170	170	45	215	1674	475	2.08	24.67	1.7	71	C
200L	ESHPS3200	200	48	248	1941	475	2.08	24.64	1.8	75	C

## FlowCyl Heatpump Solar Twin Coil

Description	Product Code	Nominal Capacity (L)	Weight (KG)	Weight full (KG)	Height (mm)	Diameter (mm)	Heat Pump Coil Surface Area (m <sup>2</sup> )	Heat Pump Coil Rating (kW)	Solar Coil Surface Area (m <sup>2</sup> )	Solar Coil Rating (kW)	Dedicated Solar Volume (L)	Standing Heat Loss		ERP BAND
												kWh/24h	WATTS	
170L	ESHPT2170	170	46	208	1203	545	2.08	24.67	0.48	17.8	57	1.63	68	C
200L	ESHPT3200	200	52	241	1389	545	2.97	31.5	0.48	18.76	67	1.7	71	C
250L	ESHPT3250	250	56	295	1701	545	2.97	33.08	0.48	19.65	83	1.99	83	C
300L	ESHPT3300	300	60	336	1924	545	2.97	35.44	0.48	21.24	96	2.26	94	C

## FlowCyl Heatpump Horizontal

Description	Product Code	Nominal Capacity (L)	Weight (KG)	Weight full (KG)	Height (mm)	Diameter (mm)	Heat Pump Coil Surface Area (m <sup>2</sup> )	Heat Pump Coil Rating (kW)	Standing Heat Loss		ERP BAND
									kWh/24h	WATTS	
170L	ESHPH2170	170	43	202	1203	545	2.08	24.67	1.89	79	C
200L	ESHPH3200	200	49	235	1389	545	2.97	31.5	2.01	84	C
250L	ESHPH3250	250	53	289	1701	545	2.97	33.08	2.16	90	C
300L	ESHPH3300	300	57	330	1924	545	2.97	35.44	2.35	98	C



# FlowCyl Air Standard

The first choice internal expansion unvented cylinder. Designed for performance and reliability.

Our range of superior quality FlowCyl AIR cylinders are built using high grade Duplex stainless steel and designed to provide fast flowing hot water to single or multiple outlets. Manufactured to the highest standards and supplied with innovative components to ensure quick recovery, low heat loss and economic use of energy.

For your peace of mind the cylinders carry a 25 year cylinder and 2 year parts guarantee, making them an excellent choice for your hot water system.



## SPECIFICATION

- > Internal expansion cylinder for faster installation and saving space.
- > Supplied with a manufacturer's backed 25 year cylinder warranty and 2 years parts warranty.
- > Diameter is 545mm from capacities 120L to 300L.
- > Manufactured from high grade Duplex Stainless Steel.
- > Fully insulated with 50mm 100% CFC and HCFC free polyurethane to minimise heat loss.
- > Lightweight construction with high quality and **100% recyclable** silver casing.
- > Supplied with high quality unvented components.
- > Supplied with a mechanical cylinder stat for simple electrical installation.
- > All plumbing connections are clearly identified with their description embossed into the cylinder case.
- > 22mm compression connections complete with nuts and olives.
- > Market leading and highly efficient primary coil which reduces reheat time and saves fuel bills.
- > Long-life 3kW Incoloy immersion heater supplied as standard.
- > Immersion heater upgrades available upon request - i.e. Titanium or 6 K/W.
- > Supplied with all safety controls as required by UK Building Regulations.



## FlowCyl Air Direct Unvented

Description	Product Code	Nominal Capacity (L)	Weight (KG)	Weight full (KG)	Height (mm)	Diameter (mm)	Immersion heater(s)	Standing Heat Loss		ERP BAND	ERP Efficiency	ERP Profile
								kWh/ 24h	WATTS			
120L	FADIR0120	120	26	133	888	545	2	1.01	42	C	36	M
150L	FADIR0150	150	33	171	1075	545	2	1.20	50	C	36	M
170L	FADIR0170	170	38	197	1203	545	2	1.30	54	C	37	L
200L	FADIR0200	200	41	225	1389	545	2	1.39	58	C	37	L
250L	FADIR0250	250	46	281	1701	545	2	1.44	60	C	38	XL
300L	FADIR0300	300	55	319	1924	545	2	1.80	75	C	38	XL

## FlowCyl Air Indirect Unvented

Description	Product Code	Nominal Capacity (L)	Weight (KG)	Weight full (KG)	Height (mm)	Diameter (mm)	Coil Rating KW	Reheat Time (mins)	Immersion heater(s)	Standing Heat Loss		ERP BAND
										kWh/ 24h	WATTS	
120L	FAIND0120	120	30	135	888	545	15.89	15	1	1.01	42	B
150L	FAIND0150	150	38	172	1075	545	17.76	18	1	1.20	50	B
170L	FAIND0170	170	42	197	1203	545	18.25	22	1	1.30	54	B
200L	FAIND0200	200	45	222	1389	545	19.35	26	1	1.39	58	B
250L	FAIND0250	250	51	281	1701	545	19.94	29	1	1.44	60	B
300L	FAIND0300	300	60	319	1924	545	20.68	35	1	1.80	75	C







# FlowCyl Air Slimline

We also have a slimline version of the FlowCyl AIR for use when space is at a premium. At only 475mm width the FlowCyl AIR Slimline can be utilised in smaller cylinder cupboards or when access routes are smaller, often in older dwellings. The FlowCyl AIR Slimline also has a 25-year manufacturer's warranty.

FLOWCYL AIR SLIMLINE



## FlowCyl Air Solar Single Coil Indirect Unvented

Description	Product Code	Nominal Capacity (L)	Weight (KG)	Weight full (KG)	Height (mm)	Diameter (mm)	Coil Rating KW	Immersion heater(s)	Standing Heat Loss		ERP BAND
									kWh/ 24h	WATTS	
170L	FACDI0170	170	42	197	1203	545	17.8	2	1.30	54	B
200L	FACDI0200	200	45	222	1389	545	18.76	2	1.39	58	B
250L	FACDI0250	250	51	281	1701	545	19.65	2	1.44	60	B
300L	FACDI0300	300	60	319	1924	545	21.24	2	1.80	75	C

## FlowCyl Air Solar Twin Coil Indirect Unvented

Description	Product Code	Nominal Capacity (L)	Weight (KG)	Weight full (KG)	Height (mm)	Diameter (mm)	Coil Rating KW	Reheat Time (mins)	Immersion heater(s)	Standing Heat Loss		ERP BAND
										kWh/ 24h	WATTS	
170L	FACIN0170	170	42	193	1203	545	17.8/17.87	16	1	1.30	54	B
200L	FACIN0200	200	48	222	1389	545	18.76/18.48	19	1	1.39	58	B
250L	FACIN0250	250	53	279	1701	545	19.65/19.21	23	1	1.44	60	B
300L	FACIN0300	300	63	317	1924	545	21.24/20.16	27	1	1.80	75	C

### SPECIFICATION

- > Internal expansion cylinder for faster installation and saving space.
- > Supplied with a manufacturer's backed 25 year cylinder warranty and 2 years parts warranty.
- > Diameter is 475mm from capacities 120L to 200L.
- > Manufactured from high grade Duplex Stainless Steel.
- > Fully insulated with 50mm 100% CFC and HCFC free polyurethane to minimise heat loss.
- > Lightweight construction with high quality and **100% recyclable** silver casing.
- > Supplied with high quality unvented components.
- > Supplied with a mechanical cylinder stat for simple electrical installation.
- > All plumbing connections are clearly identified with their description embossed into the cylinder case.
- > 22mm compression connections complete with nuts and olives.
- > Market leading and highly efficient primary coil which reduces reheat time and saves fuel bills.
- > Long-life 3kW Incoloy immersion heater supplied as standard.
- > Immersion heater upgrades available upon request - i.e. Titanium or 6 K/W.
- > Supplied with all safety controls as required by UK Building Regulations.





# Trade Friendly Design

## Complete ease of installation

All UK **Cylinders** products are designed to ensure a problem free installation for our valued trade customers. We design our products for ease of installation and handling so they can be sited almost anywhere in the building. Please see the table below which lists all the supplied components provided with our vast range of cylinder solutions.

### FlowCyl Air Direct Slimline

Description	Product Code	Nominal Capacity (L)	Weight (KG)	Weight full (KG)	Height (mm)	Diameter (mm)	Immersion heater(s)	Standing Heat Loss		ERP BAND	ERP Efficiency	ERP Profile
								kWh/ 24h	WATTS			
120L	FANDI0120	120	26	133	1228	475	2	1.15	48	C	36	M
150L	FANDI0150	150	33	164	1496	475	2	1.37	57	C	36	M
170L	FANDI0170	170	38	187	1674	475	2	1.49	62	C	34	M
200L	FANDI0200	200	41	222	1941	475	2	1.61	67	C	37	L

### FlowCyl Air Indirect Slimline

Description	Product Code	Nominal Capacity (L)	Weight (KG)	Weight full (KG)	Height (mm)	Diameter (mm)	Coil Rating KW	Reheat Time (mins)	Immersion heater(s)	Standing Heat Loss		ERP BAND
										kWh/ 24h	WATTS	
120L	FANIN0120	120	30	134	1228	475	18.76	15	1	1.15	48	B
150L	FANIN0150	150	38	166	1496	475	18.82	17	1	1.37	57	C
170L	FANIN0170	170	42	188	1674	475	19.22	20	1	1.49	62	C
200L	FANIN0200	200	45	215	1941	475	19.36	27	1	1.61	67	C



COLD WATER INLET SET



TWO PORT ZONE VALVE



DUAL THERMOSTAT



3KW IMMERSION HEATER



T&P RELIEF VALVE



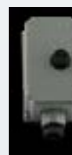
EXPANSION VESSEL



TUNDISH



T&P VALVE INSULATED COVER



ENERGY CUT-OUT THERMOSTAT

COMPONENT	DIRECT	INDIRECT	SINGLE COIL SOLAR	TWIN COIL SOLAR	SINGLE COIL HEATPUMP
INLET CONTROL SET	•	•	•	•	•
TWO PORT VALVE		•		•	•
DUAL THERMOSTAT		•			
SINGLE HIGH LIMIT STAT			•	•	•
IMMERSION HEATER(S)	•	•	•	•	•
T&P RELIEF VALVE	•	•	•	•	•
T&P VALVE INSULATION COVER	•	•	•	•	•
*EXPANSION VESSEL	•	•	•	•	•
TUNDISH	•	•	•	•	•
INSTALLATION/ USER MANUAL	•	•	•	•	•

The Flow Cyl comes complete with all the fittings you will need for a complete trouble free installation.

\*Expansion vessel not supplied/required with FlowCyl Air models.

### Expansion Vessel Sizing Guide

CYLINDER CAPACITY (L)	12	18	24	35	50
60 to 150	•				
170 to 250		•			
300			•		
400			•		
500				•	
600					•





# Installation Guidance

For full details on product installation, please refer our the installation guide supplied with all cylinders, or downloadable from our website [www.ukcylinders.co.uk](http://www.ukcylinders.co.uk)

## Selection Guide

Choosing the right cylinder for you needs

HOT WATER DEMAND	BEDROOMS	INDIRECT	DIRECT
1 Standard Bath or Shower	Bedsit / 1	120	120
	2-3	120	150
	3-4	150	150
1 Standard Bath	2-3	150	170
	3-4	150	170
1 Standard Bath and En-Suite	2-3	170	200
	3-4	170	200
	4-5	170	200
2 Standard Baths	2-3	170	250
	3-4	170	250
	4-5	200	300
3 Bathrooms	3-4	250	300
	4-5	300	300
	5-6	300	300

## Customer Care

### Continued support

All **UK Cylinders** unvented products come with a manufacturer's warranty so if you have a breakdown or fault, we are on hand to provide customer support to put it right.

Please contact our team on 03330 329 650 or email [customercare@ukcylinders.co.uk](mailto:customercare@ukcylinders.co.uk) and we will be there ready to help you.

# REDD

Plumbing, Heating and Renewable energy design services for the new build industry

## Trade Friendly Design and Installation

### Regulations

Please refer to Section G3 of the Building Regulations (England and Wales), Technical Standard P3 (Scotland) and Building Regulations P5 (Northern Ireland). All Unvented units with a capacity over 15 litres must be installed by a competent installer in accordance with these regulations.

### Mains Supply

**UK Cylinders** unvented cylinder FlowCyl require a minimum of 1.5 bar (max 10 bar) mains pressure and 20 litres per minute flow rate to ensure that the cylinder meets its minimum capabilities. Higher mains pressure and flow rates can return a higher performance from the cylinder.

**Note:** Cylinder must be connected to a mains water supply, not a well or borehole.

### Cylinder Siting

**UK Cylinders** range of unvented cylinders can be sited almost anywhere in a dwelling, particularly with the wide range of products we supply, providing hot water to outlets above and below the cylinder.

### Wiring

All electrical wiring should be fitted in accordance of the control scheme being used and by a competent electrician and the latest IEE regulations. **UK Cylinders** provide controls with all unvented cylinders to ensure the safe operation of the unit within a central heating system.

Please refer to the installation guide for full details.

### Boiler Compatibility

The FlowCyl cylinders are compatible with all appliances that are fitted with an integral control thermostat and its own energy cut-out (these include natural gas, lpg, electric and oil boilers).

Heat sources without full thermostatic control (Aga etc) cannot usually be installed with an unvented unit. Please consult the installation guide for comprehensive information.

### Secondary Return Connection

As standard a secondary connection is fitted on indirect models of 200 litres and above.

REDD provide designs for all types of heating, plumbing and renewable energy systems. These designs can incorporate natural gas, low pressure gas (LPG), electric or oil-fired boilers, air source heat pumps (ASHP) or ground source heat pumps (GSHP) – Plus whatever Building regulations, SAP calculations or the client requires.

Email your design enquiry to [designs@reddesign.uk](mailto:designs@reddesign.uk)

Renewable Energy Domestic Designs (REDD) core business is to provide a free-of-charge heating & plumbing design service to the new build housing sector. This is a 100% independent design company, able to provide designs for the domestic new build market incorporating any number of gas, electric or renewable energy based options.







# UK CYLINDERS

YOUR HOT WATER SPECIALISTS



UK CYLINDERS • UNIT 3 RCM BUSINESS CENTRE  
DEWSBURY ROAD • OSSETT • WEST YORKSHIRE • WF5 9ND

T 03330 329 650 • F 01924 977 079  
sales@ukcylinders.co.uk • [www.ukcylinders.co.uk](http://www.ukcylinders.co.uk)



UK Cylinders Ltd are proud to be members of the Hot Water Association (HWA) and are committed to its ethics and values

UK Cylinders endeavour to keep the content of this brochure as up-to-date as possible. We reserve the right to make changes to all UK Cylinders products and services at anytime. To ensure you have the most current information please contact UK Cylinders directly.